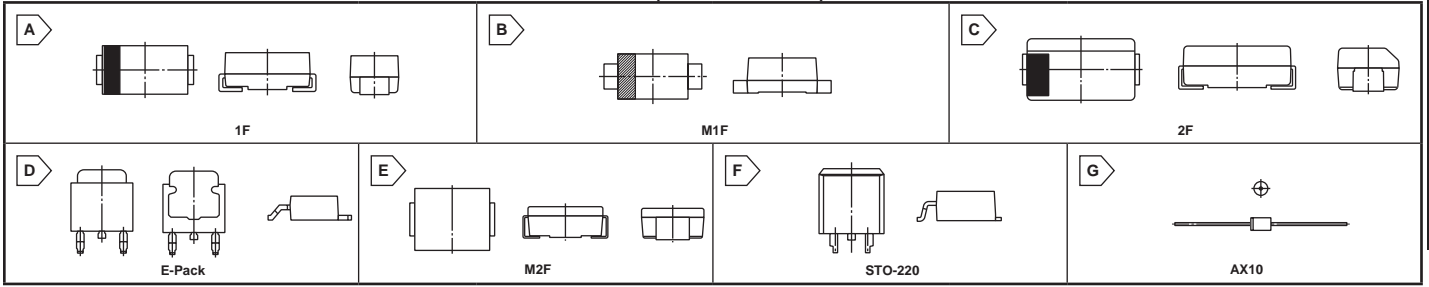


RoHS Compliant This product is RoHS compliant.



SHINDENGEN SCHOTTKY BARRIER DIODES

Surface Mount Device

For quantities greater than listed, call for quote.

| MOUSER STOCK NO. | | Fig. | Package | Absolute Max Ratings | | | | | | Electrical Characteristics | | | | | | Price Each | | | | |
|------------------|-------------------|------|---------|----------------------|--------------------|----------|---------|------------|---------|----------------------------|-------------------|--------------------|---------------|---------------|----------------|----------------|------|------|------|------|
| Mfr. | Mfr. Part No. | | | Io (A) | Conditions Tc (°C) | IFSM (A) | VRM (V) | Tstg (°C) | Tj (°C) | VF Max (V) | Conditions IF (A) | IR Max VR=VRM (µA) | Cj (Typ) (pF) | Oj Max (°C/W) | Oja Max (°C/W) | Ojc Max (°C/W) | 1 | 100 | 200 | 1000 |
| ◆ | 627—D1FJ10-5063 | A | 1F | 100 | 1 | 59 | 50 | -55 to 150 | 150 | 0.72 | 1 | 0.2 | 63 | 23 | 108 | --- | .51 | .42 | .38 | .32 |
| ◆ | 627—D1FS4-5063 | A | 1F | 40 | 1.1 | 51 | 30 | -55 to 150 | 150 | 0.55 | 1.1 | 1 | 65 | 23 | 108 | --- | .24 | .21 | .18 | .16 |
| ◆ | 627—D1FS6-5063 | A | 1F | 60 | 1.1 | 25 | 40 | -55 to 150 | 150 | 0.58 | 1.1 | 1 | 50 | 23 | 108 | --- | .30 | .239 | .225 | .155 |
| ◆ | 627—M1FP3-5063 | B | M1F | 30 | 1.29 | 25 | 30 | -55 to 125 | 125 | 0.35 | 0.4 | 2.5 | 90 | 20 | 108 | --- | .23 | .19 | .17 | .12 |
| ◆ | 627—M1FS4-5063 | B | M1F | 40 | 1.33 | 25 | 30 | -55 to 150 | 150 | 0.55 | 1.1 | 0.8 | 50 | 20 | 108 | --- | .29 | .25 | .22 | .20 |
| ◆ | 627—M1FH3-5063 | B | M1F | 30 | 1.5 | 105 | 30 | -55 to 125 | 125 | 0.3 | 0.5 | 1 | 80 | 20 | 80 | 18 | .43 | .36 | .32 | .24 |
| ◆ | 627—M1FJ4-6063 | B | M1F | 40 | 1.5 | 31 | 30 | -55 to 150 | 150 | 0.57 | 1 | 0.05 | 65 | 20 | 108 | --- | .34 | .281 | .253 | .183 |
| ◆ | 627—D1FS4A-5063 | A | 1F | 40 | 1.5 | 28 | 60 | -55 to 150 | 150 | 0.45 | 1.1 | 2 | 95 | 23 | 108 | --- | .59 | .49 | .43 | .31 |
| ◆ | 627—D2FS4-5063 | C | 2F | 40 | 1.6 | 34 | 60 | -55 to 150 | 150 | 0.55 | 1.6 | 2.5 | 150 | 24 | 90 | --- | .90 | .75 | .68 | .48 |
| ◆ | 627—D1FJ4-5063 | A | 1F | 40 | 2 | 117 | 50 | -55 to 150 | 150 | 0.57 | 1.5 | 0.2 | 96 | 23 | 108 | --- | .48 | .40 | .35 | .26 |
| ◆ | 627—D1FP3-5063 | A | 1F | 30 | 2 | 98 | 60 | -55 to 125 | 125 | 0.4 | 2 | 4.5 | 130 | 23 | 108 | --- | .35 | .29 | .27 | .18 |
| ◆ | 627—D3FS4A-5063 | C | 2F | 40 | 2.6 | 34 | 150 | -55 to 150 | 150 | 0.45 | 2.6 | 5 | 340 | 23 | 80 | --- | .66 | .55 | .50 | .35 |
| ◆ | 627—M1FM3-5063 | B | M1F | 30 | 3 | 100 | 30 | -55 to 150 | 150 | 0.4 | 0.5 | 0.05 | 80 | 20 | 80 | 18 | .25 | .21 | .19 | .17 |
| ◆ | 627—D1FH3-5063 | A | 1F | 30 | 3 | 95 | 60 | -55 to 125 | 125 | 0.3 | 1 | 1 | 130 | 18 | 65 | 16 | .45 | .39 | .35 | .32 |
| ◆ | 627—DE354M-7101 | D | E-Pack | 40 | 3 | 121 | 70 | -40 to 150 | 150 | 0.55 | 3 | 2.5 | 150 | --- | 55 | 12 | .75 | .63 | .56 | .40 |
| ◆ | 627—D3FS6-5063 | C | 2F | 60 | 3 | 87 | 80 | -55 to 150 | 150 | 0.58 | 3 | 2.5 | 130 | 24 | 90 | --- | .55 | .46 | .41 | .29 |
| ◆ | 627—DE356M-7101 | D | E-Pack | 60 | 3 | 117 | 80 | -40 to 150 | 150 | 0.58 | 3 | 2.5 | 130 | --- | 55 | 12 | .75 | .63 | .56 | .40 |
| ◆ | 627—D3FJ10-5063 | C | 2F | 100 | 3 | 92 | 100 | -55 to 150 | 150 | 0.74 | 3 | 0.4 | 143 | 23 | 115 | --- | .55 | .46 | .41 | .29 |
| ◆ | 627—D3FP3-5063 | C | 2F | 30 | 3 | 74 | 150 | -55 to 125 | 125 | 0.4 | 3 | 10 | 300 | 24 | 90 | --- | .63 | .53 | .47 | .34 |
| ◆ | 627—DE554M-7101 | D | E-Pack | 5 | 101 | 80 | 40 | -40 to 150 | 150 | 0.55 | 5 | 3.5 | 180 | --- | 55 | 12 | .79 | .66 | .59 | .42 |
| ◆ | 627—D1FM3-5063 | A | 1F | 5 | 83 | 90 | 30 | -55 to 150 | 150 | 0.4 | 1 | 0.1 | 130 | 18 | 65 | 16 | .48 | .39 | .35 | .28 |
| ◆ | 627—M2FH3-5063 | E | M2F | 6 | 70 | 110 | 30 | -55 to 125 | 125 | 0.3 | 2 | 4 | 240 | 16 | 55 | 14 | .74 | .62 | .56 | .40 |
| ◆ | 627—M2FM3-5063 | E | M2F | 6 | 99 | 120 | 30 | -55 to 150 | 150 | 0.4 | 2 | 0.2 | 240 | 16 | 55 | 14 | .64 | .54 | .48 | .34 |
| ◆ | 627—DE10P3-7101 | D | E-Pack | 10 | 95 | 200 | 30 | -55 to 125 | 125 | 0.4 | 8 | 25 | 600 | --- | --- | 4 | 1.08 | .90 | .81 | .58 |
| ◆ | 627—DE10SC3L-7101 | D | E-Pack | 10 | 124 | 100 | 30 | -55 to 150 | 150 | 0.45 | 4 | 5mA | 290 | --- | --- | 4 | 1.07 | .89 | .80 | .57 |

SHINDENGEN SUPER FAST RECOVERY DIODES

Surface Mount Device

For quantities greater than listed, call for quote.

| MOUSER STOCK NO. | | Fig. | Package | Absolute Max Ratings | | | | | | Electrical Characteristics | | | | | | Price Each | | | | |
|------------------|------------------|------|---------|----------------------|--------|--------------------|----------|------------|---------|----------------------------|-------------------|--------------------|----------------|---------------|---------------|----------------|------|------|------|------|
| Mfr. | Mfr. Part No. | | | VRM (V) | Io (A) | Conditions Tc (°C) | IFSM (A) | Tstg (°C) | Tj (°C) | VF Max (V) | Conditions IF (A) | IR Max VR=VRM (µA) | trr (Max) (ns) | Oj Max (°C/W) | Oj Max (°C/W) | Ojc Max (°C/W) | 1 | 100 | 200 | 1000 |
| ◆ | 627—D1FK60-5063 | A | 1F | 600 | 0.8 | 29 | 20 | -55 to 150 | 150 | 1.3 | 0.8 | 10 | 75 | 23 | 108 | --- | .17 | .15 | .13 | .093 |
| ◆ | 627—D1FL40-5063 | A | 1F | 400 | 0.8 | 25 | 25 | -55 to 150 | 150 | 1.3 | 0.8 | 10 | 50 | 23 | 108 | --- | .32 | .28 | .25 | .22 |
| ◆ | 627—D1FL20U-5063 | A | 1F | 200 | 1.1 | 25 | 20 | -55 to 150 | 150 | 0.98 | 1.1 | 10 | 35 | 23 | 108 | --- | .44 | .37 | .33 | .24 |
| ◆ | 627—M1FL20U-5063 | B | M1F | 200 | 1.1 | 25 | 30 | -55 to 150 | 150 | 0.98 | 1.1 | 10 | 35 | 20 | 108 | --- | .26 | .23 | .20 | .18 |
| ◆ | 627—D2FL40-5063 | C | 2F | 400 | 1.3 | 25 | 40 | -40 to 150 | 150 | 1.3 | 1.3 | 10 | 50 | 24 | 90 | --- | .72 | .60 | .54 | .38 |
| ◆ | 627—D2FK60-5063 | C | 2F | 600 | 1.5 | 101 | 40 | -55 to 150 | 150 | 1.3 | 1.5 | 10 | 75 | 24 | 90 | --- | .47 | .39 | .35 | .25 |
| ◆ | 627—DE3L40-7101 | D | E-Pack | 400 | 3 | 99 | 50 | -55 to 150 | 150 | 1.3 | 3 | 10 | 50 | --- | 55 | 12 | .82 | .68 | .61 | .44 |
| ◆ | 627—DE3L20U-7101 | D | E-Pack | 200 | 3 | 113 | 60 | -55 to 150 | 150 | 0.98 | 3 | 10 | 35 | --- | 55 | 12 | .90 | .75 | .67 | .48 |
| ◆ | 627—DE5L60-7101 | D | E-Pack | 600 | 5 | 57 | 60 | -55 to 150 | 150 | 2 | 5 | 10 | 50 | --- | 125 | 12 | 1.02 | .85 | .77 | .54 |
| ◆ | 627—DF10L60-7102 | F | STO-220 | 600 | 10 | 105 | 100 | -55 to 150 | 150 | 1.9 | 10 | 10 | 50 | --- | --- | 2 | 2.21 | 1.84 | 1.65 | 1.18 |
| ◆ | 627—DF20L60-7102 | F | STO-220 | 600 | 20 | 84 | 170 | -55 to 150 | 150 | 1.9 | 20 | 25 | 70 | --- | --- | 1.5 | 2.83 | 2.36 | 2.12 | 1.51 |

SHINDENGEN BI-DIRECTIONAL SIDACs

For quantities greater than listed, call for quote.

| MOUSER STOCK NO. | | Fig. | Package | Absolute Max Ratings | | | | | | Electrical Characteristics | | | | | | Price Each | | | |
|------------------|---------------|------|---------|----------------------|--------|--------------------|----------|-----------------|---------------|----------------------------|-----------------|-------------------|----------------|---------------|----------------------|------------|------|------|------|
| Mfr. | Mfr. Part No. | | | VDRM (V) | IT (A) | Conditions TI (°C) | ITSM (A) | ITRM @1 kHz (A) | diT/dt (A/µs) | VBO (V) | IDRM (Max) (µA) | Conditions VD (V) | IBO (Max) (mA) | IH (Typ) (mA) | VT (Max) @ IT 1A (V) | 1 | 100 | 200 | 1000 |
| 627—K1V11-4060 | G | AX10 | 90 | 1 | 112 | 20 | 25 | 80 | 104 to 118 | 10 | 90 | 0.5 | 50 | 1.5 | .96 | .80 | .72 | .51 | |
| 627—K1V12-4060 | G | AX10 | 90 | 1 | 112 | 20 | 25 | 80 | 110 to 125 | 10 | 90 | 0.5 | 50 | 1.5 | .96 | .80 | .72 | .51 | |
| 627—K1V14-4060 | G | AX10 | 115 | 1 | 109 | 20 | 25 | 80 | 125 to 150 | 10 | 115 | 0.5 | 30 | 1.5 | .96 | .80 | .72 | .51 | |
| 627—K1V22-4060 | G | AX10 | 180 | 1 | 108 | 20 | 25 | 80 | 200 to 230 | 10 | 180 | 0.5 | 20 | 1.5 | 1.06 | .89 | .80 | .57 | |
| 627—K1V22W-4060 | G | AX10 | 180 | 1 | 91 | 16 | 17 | 80 | 200 to 230 | 10 | 180 | 0.5 | 50 | 3 | 1.11 | .93 | .83 | .59 | |
| 627—K1V24-4060 | G | AX10 | 180 | 1 | 108 | 20 | 25 | 80 | 220 to 250 | 10 | 180 | 0.5 | 20 | 1.5 | 1.06 | .89 | .80 | .57 | |
| 627—K1V24W-4060 | G | AX10 | 180 | 1 | 91 | 16 | 17 | 80 | 220 to 250 | 10 | 180 | 0.5 | 50 | 3 | 1.50 | 1.25 | 1.12 | .803 | |
| 627—K1V26-4060 | G | AX10 | 180 | 1 | 108 | 20 | 25 | 80 | 240 to 270 | 10 | 180 | 0.5 | 20 | 1.5 | 1.06 | .89 | .80 | .57 | |

SHINDENGEN TRANKILLERS

Surface Mount Device

For quantities greater than listed, call for quote.

| MOUSER STOCK NO. | | Fig. | Package | Absolute Max Ratings | | | | | | Electrical Characteristics | | | | | | Price Each | | | |
|------------------|-------------------|------|---------|----------------------|------------|---------|---------|---------------|-------------------|----------------------------|-------------------|-----------|---------------|--------------------|------|------------|------|------|--|
| Mfr. | Mfr. Part No. | | | PRSM (W) | Tstg (°C) | Tj (°C) | VRM (V) | VBR (Std) (V) | Conditions IF (A) | IR (Max) (µA) | Conditions VR (V) | IZ (%/°C) | VCL (Max) (V) | Conditions IPP (A) | 1 | 100 | 200 | 1000 | |
| ◆ | 627—ST0358F1-5063 | A | 1F | 300 | -55 to 150 | 150 | 45 | 58 | 1 | 5 | 45 | --- | --- | .38 | .31 | .28 | .20 | | |
| ◆ | 627—ST0416F1-5063 | A | 1F | 400 | -55 to 175 | 175 | 13.6 | 16 | 1 | 5 | 13.6 | --- | 23 | .21 | .18 | .17 | .16 | | |
| ◆ | 627—ST0427F1-5063 | A | 1F | 400 | -55 to 175 | 175 | 23 | 27 | 1 | 5 | 23 | --- | 37 | .21 | .17 | .16 | .11 | | |
| ◆ | 627—ST7027F-7072 | F | STO-220 | 7000 | -40 to 150 | 150 | 23 | 27 | 1 | 5 | 23 | 0.09 | 40 | 2.03 | 1.69 | 1.52 | 1.08 | | |

SHINDENGEN THYRISTOR SURGE SUPPRESSORS

Surface Mount Device

For quantities greater than listed, call for quote.

| MOUSER STOCK NO. | | Fig. | Package | Absolute Max Ratings | | | | Electrical Characteristics | | | | Price Each | | | | |
|------------------|-------------------|------|---------|----------------------|-----------------|----------|---------------|----------------------------|---------------|-------------------|---------------|---------------|-----|-----|-----|------|
| Mfr. | Mfr. Part No. | | | ITSM (A) | Conditions (µs) | VDRM (V) | VBO (Min) (V) | VBR (Std) (V) | VCL (Max) (V) | Conditions VD (V) | IH (Min) (mA) | Cj (Max) (pF) | 1 | 100 | 200 | 1000 |
| ◆ | 627—KU10R23N-5063 | E | M2F | 100 | 10/1000 | 190 | 200 | 260 | 5 | 190 | 100 | 90 | .94 | .78 | .70 | .50 |
| ◆ | 627—KU10R29N-5063 | E | M2F | 100 | 10/1000 | 250 | 275 | 400 | 5 | 250 | 100 | 90 | .71 | .59 | .53 | .38 |