

KEMET Multilayer Ferrite Chip Beads



RoHS Compliant This product is RoHS compliant.

Z SERIES SMS TYPE

Features:

- Internal silver printed layer creates a closed circuit which acts as a magnetic shield minimizing heat generation and crosstalk
- No need for grounding provides greater circuit design flexibility
- Several material types and a broad range of impedance values provide noise countermeasures for various applications

Applications:

- High frequency noise countermeasure in personal computers, digital cameras, and other information system products. For use on digital product clock lines and general signal lines
- Radiated noise suppression in computer or printer interfaces and harness connectors
- Noise suppression in video and other A/V products
- Prevents interference between circuits in cellular phones (PHS, PDC, etc.)
- Due to the closed internal circuit which acts as a magnetic shield, the TS material is extremely effective as a noise filter on LSI power supply lines where downsizing of components is needed

Specifications:

- Operating Temperature:
Z-SMS: -55°C to +125°C (includes self-generated heat)
Z-PMS: -55°C to +85°C (includes self-generated heat)

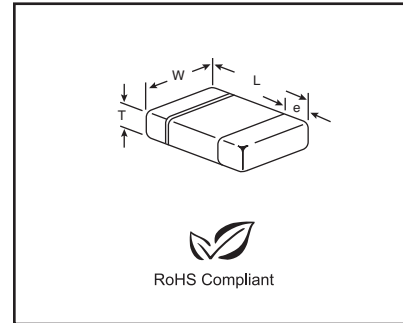
Z SERIES PMS TYPE

Features:

- Low Rdc value brings about low power dissipation and extending the life of batteries
- That stands on the high advanced green sheet and printing technologies
- No need for grounding provides greater circuit design flexibility

Applications:

- High frequency noise debug on the DC power supply line in personal computers and other information system products
- Noise suppression in USB and IEEE1394 interface
- Prevents interference between circuits in mobile systems (PDC, PHS, PDA)



Dimensions: mm (in.)									
Z Series					Z Series P Type				
Style	L	W	T	e	Style	L	W	T	e
(0201)	.60 (.024)	.30 (.012)	.30 (.012)	.15 (.006)	(0402)	1 (.039)	.5 (.02)	.5 (.02)	.25 (.01±)
(0402)	1.0 (.039)	.50 (.02)	.50 (.02)	.25 (.01)	(0603)	1.6 (.063)	.8 (.031)	.8 (.031)	.3 (.012)
(0603)	1.6 (.063)	.8 (.031)	.8 (.031)	.3 (.012)	(0805)	2 (.079)	1.25 (.049)	.85 (.033)	.5 (.02)
(0805)	2 (.079)	1.25 (.049)	.85 (.033)	.5 (.020)					

MOUSER STOCK NO.	Kemet Part No.	Imp (Ω)±5%	DC Res. Ω max	Rated (mA)	App.	Price Each			Reel Qty.	Price Each Pcs.
						1	50	100		
Size 0201										
80-Z0201C100CSMST	Z0201C100CSMST	10	0.4	200	LL	.23	.18	.16	15,000	.092
80-Z0201C220CSMST	Z0201C220CSMST	22	0.5	200	LL	.23	.18	.16	15,000	.092
80-Z0201C220ASMST	Z0201C220ASMST	22	0.075	500	HS	.23	.18	.16	15,000	.092
80-Z0201C330CSMST	Z0201C330CSMST	33	0.8	150	LL	.23	.18	.16	15,000	.092
80-Z0201C330ASMST	Z0201C330ASMST	33	0.075	500	HS	.23	.18	.16	15,000	.092
80-Z0201C470CSMST	Z0201C470CSMST	47	1	150	LL	.23	.18	.16	15,000	.092
80-Z0201C800ASMST	Z0201C800ASMST	80	0.4	200	HS	.23	.18	.16	15,000	.092
80-Z0201C121ASMST	Z0201C121ASMST	120	0.5	200	HS	.23	.18	.16	15,000	.092
80-Z0201C121BSMST	Z0201C121BSMST	120	0.5	200	HM	.23	.18	.16	15,000	.092
80-Z0201C241BSMST	Z0201C241BSMST	240	0.8	200	HM	.23	.18	.16	15,000	.092
80-Z0201C241ASMST	Z0201C241ASMST	240	0.8	200	HS	.23	.18	.16	15,000	.092
80-Z0201C600BSMST	Z0201C600BSMST	600	0.4	200	HM	.23	.18	.16	15,000	.092
Size 0402										
80-Z0402C100ASMST	Z0402C100ASMST	10	0.05	1000	HS	.12	.10	.08	10,000	.048
80-Z0402C100CSMST	Z0402C100CSMST	10	0.15	500	LL	.12	.10	.08	10,000	.048
80-Z0402C220CSMST	Z0402C220CSMST	22	0.2	400	LL	.12	.10	.08	10,000	.048
80-Z0402C330ASMST	Z0402C330ASMST	33	0.1	700	HS	.12	.10	.08	10,000	.048
80-Z0402C330CSMST	Z0402C330CSMST	33	0.3	400	LL	.12	.10	.08	10,000	.048
80-Z0402C470CSMST	Z0402C470CSMST	47	0.35	350	LL	.12	.10	.08	10,000	.048
80-Z0402C680CSMST	Z0402C680CSMST	68	0.31	400	LL	.12	.10	.08	10,000	.048
80-Z0402C680ASMST	Z0402C680ASMST	68	0.163	600	HS	.12	.10	.08	10,000	.048
80-Z0402C680ESMST	Z0402C680ESMST	68	0.17	500	HW	.12	.10	.08	10,000	.048
80-Z0402C121BSMST	Z0402C121BSMST	120	0.25	300	HM	.12	.10	.08	10,000	.048
80-Z0402C121ASMST	Z0402C121ASMST	120	0.23	500	HS	.12	.10	.08	10,000	.048
80-Z0402C121ESMST	Z0402C121ESMST	120	0.24	450	HW	.12	.10	.08	10,000	.048
80-Z0402C121CSMST	Z0402C121CSMST	120	0.45	350	LL	.12	.10	.08	10,000	.048
80-Z0402C181CSMST	Z0402C181CSMST	180	0.53	300	LL	.12	.10	.08	10,000	.048
80-Z0402C241CSMST	Z0402C241CSMST	240	0.7	250	LL	.12	.10	.08	10,000	.048
80-Z0402C241BSMST	Z0402C241BSMST	240	0.36	300	HM	.12	.10	.08	10,000	.048
80-Z0402C241ASMST	Z0402C241ASMST	240	0.33	400	HS	.12	.10	.08	10,000	.048
80-Z0402C241ESMST	Z0402C241ESMST	240	0.31	400	HW	.12	.10	.08	10,000	.048
80-Z0402C431ESMST	Z0402C431ESMST	430	0.5	350	HW	.12	.10	.08	10,000	.048
80-Z0402C471BSMST	Z0402C471BSMST	470	0.56	250	HM	.12	.10	.08	10,000	.048
80-Z0402C601BSMST	Z0402C601BSMST	600	0.59	250	HM	.12	.10	.08	10,000	.048
80-Z0402C601ASMST	Z0402C601ASMST	600	0.58	300	HS	.12	.10	.08	10,000	.048
80-Z0402C601ESMST	Z0402C601ESMST	600	0.6	300	HW	.12	.10	.08	10,000	.048
80-Z0402C102BSMST	Z0402C102BSMST	1000	0.8	150	HM	.12	.10	.08	10,000	.048
Size 0603										
80-Z0603C220ASMST	Z0603C220ASMST	22	0.05	1500	HS	.11	.08	.07	4,000	.044
80-Z0603C300CSMST	Z0603C300CSMST	30	0.2	500	LL	.11	.08	.07	4,000	.044
80-Z0603C330ASMST	Z0603C330ASMST	33	0.08	1200	HS	.11	.08	.07	4,000	.044
80-Z0603C470ASMST	Z0603C470ASMST	47	0.1	900	HS	.11	.08	.07	4,000	.044
80-Z0603C470CSMST	Z0603C470CSMST	47	0.3	400	LL	.11	.08	.07	4,000	.044
80-Z0603C560CSMST	Z0603C560CSMST	56	0.3	400	LL	.11	.08	.07	4,000	.044
80-Z0603C600ASMST	Z0603C600ASMST	60	0.1	800	HS	.11	.08	.07	4,000	.044
80-Z0603C680CSMST	Z0603C680CSMST	68	0.35	300	LL	.11	.08	.07	4,000	.044
80-Z0603C800ASMST	Z0603C800ASMST	80	0.1	600	HS	.11	.08	.07	4,000	.044
80-Z0603C121BSMST	Z0603C121BSMST	120	0.2	350	HM	.11	.08	.07	4,000	.044
80-Z0603C121ASMST	Z0603C121ASMST	120	0.18	500	HS	.11	.08	.07	4,000	.044
80-Z0603C121ESMST	Z0603C121ESMST	120	0.15	600	HW	.11	.08	.07	4,000	.044
80-Z0603C121CSMST	Z0603C121CSMST	120	0.5	300	LL	.11	.08	.07	4,000	.044
80-Z0603C181CSMST	Z0603C181CSMST	180	0.65	250	LL	.11	.08	.07	4,000	.044
80-Z0603C241ESMST	Z0603C241ESMST	240	0.25	450	HW	.11	.08	.07	4,000	.044
80-Z0603C241ASMST	Z0603C241ASMST	240	0.25	400	HS	.11	.08	.07	4,000	.044
80-Z0603C241BSMST	Z0603C241BSMST	240	0.35	300	HM	.11	.08	.07	4,000	.044
80-Z0603C241CSMST	Z0603C241CSMST	240	0.8	250	LL	.11	.08	.07	4,000	.044

MOUSER STOCK NO.	Kemet Part No.	Imp (Ω)±5%	DC Res. Ω max	Rated (mA)	App.	Price Each			Reel Qty.	Price Each Pcs.
						1	50	100		
Size 0603 (Cont.)										
80-Z0603C331CSMST	Z0603C331CSMST	330	0.85	200	LL	.11	.08	.07	4,000	.044
80-Z0603C431ESMST	Z0603C431ESMST	430	0.3	400	HW	.11	.08	.07	4,000	.044
80-Z0603C431CSMST	Z0603C431CSMST	430	0.85	200	LL	.11	.08	.07	4,000	.044
80-Z0603C431FSMST	Z0603C431FSMST	430	0.25	400	TS	.11	.08	.07	4,000	.044
80-Z0603C471BSMST	Z0603C471BSMST	470	0.45	250	HM	.11	.08	.07	4,000	.044
80-Z0603C511CSMST	Z0603C511CSMST	510	0.9	200	LL	.11	.08	.07	4,000	.044
80-Z0603C601BSMST	Z0603C601BSMST	600	0.6	250	HM	.11	.08	.07	4,000	.044
80-Z0603C601ASMST	Z0603C601ASMST	600	0.45	350	HS	.11	.08	.07	4,000	.044
80-Z0603C601ESMST	Z0603C601ESMST	600	0.4	300	HW	.11	.08	.07	4,000	.044
80-Z0603C601FSMST	Z0603C601FSMST	600	0.27	350	TS	.11	.08	.07	4,000	.044
80-Z0603C681CSMST	Z0603C681CSMST	680	1	150	LL	.11	.08	.07	4,000	.044
80-Z0603C751DSMST	Z0603C751DSMST	750	0.6	300	LM	.11	.08	.07	4,000	.044
80-Z0603C102ASMST	Z0603C102ASMST	1000	0.6	300	HS	.11	.08	.07	4,000	.044
80-Z0603C102BSMST	Z0603C102BSMST	1000	0.7	200	HM	.11	.08	.07	4,000	.044
80-Z0603C102FSMST	Z0603C102FSMST	1000	0.3	300	TS	.11	.08	.07	4,000	.044
80-Z0603C152DSMST	Z0603C152DSMST	1500	0.75	250	LM	.11	.08	.07	4,000	.044
80-Z0603C182DSMST	Z0603C182DSMST	1800	0.85	200	LM	.11	.08	.07	4,000	.044
80-Z0603C252DSMST	Z0603C252DSMST	2500	1.1	200	LM	.11	.08	.07	4,000	.044
Size 0805										
80-Z0805C150ASMST	Z0805C150ASMST	15	0.05	1200	HS	.15	.11	.09	4,000	.06
80-Z0805C220ASMST	Z0805C220ASMST	22	0.05	1200	HS	.15	.11	.09	4,000	.06
80-Z0805C330ASMST	Z0805C330ASMST	33	0.05	1200	HS	.15	.11	.09	4,000	.06
80-Z0805C470ASMST	Z0805C470ASMST	47	0.05	1000	HS	.15	.11	.09	4,000	.06
80-Z0805C560CSMST	Z0805C560CSMST	56	0.3	400	LL	.15	.11	.09	4,000	.06
80-Z0805C750ASMST	Z0805C750ASMST	75	0.1	1000	HS	.15	.11	.09	4,000	.06
80-Z0805C101ASMST	Z0805C101ASMST	100	0.04	2500	HS	.15	.11	.09	4,000	.06
80-Z0805C121BSMST	Z0805C121BSMST	120	0.15	800	HM	.15	.11	.09	4,000	.06
80-Z0805C121ASMST	Z0805C121ASMST	120	0.15	800	HS	.15	.11	.09	4,000	.06
80-Z0805C121CSMST	Z0805C121CSMST	120	0.5	300	LL	.15	.11	.09	4,000	.06
80-Z0805C241BSMST</										