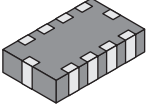
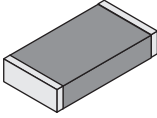


TDK Antenna, Baluns, Bandpass Filters and Diplexer

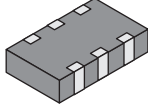
A



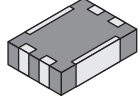
B



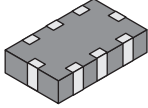
C



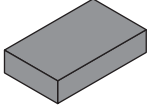
D



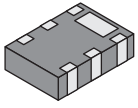
E



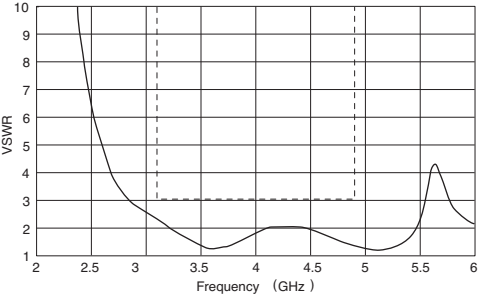
F



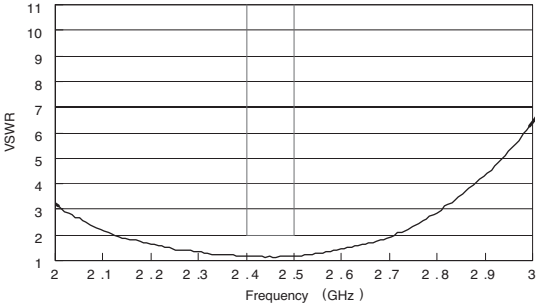
G



VSWR Chart for ANT1085-4R1-01A



VSWR Chart for ANT8030-2R4-01A



MULTILAYER CHIP ANTENNAS

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	TDK Stock No.	Fig.	Application	Frequency Range (GHz)	Polarization	Antenna Gain	Impedance (Ohms)	VSWR (Max)	Price Each			
									1	10	100	500
810-ANT1085-4R1-01A	ANT1085-4R1-01A	A	UltraWide Band	3.1 to 5.2	Linear (Mixed)	2.0 dBi	50	3.0	9.99	7.75	7.23	6.99
810-ANT8030-2R4-01A	ANT8030-2R4-01A	B	Bluetooth	2.4 to 2.5	Linear	2.0 dBi	50	2.0	2.70	1.80	1.64	1.49

MULTILAYER CHIP ULTRAWIDEBAND BALUNS

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	TDK Stock No.	Fig.	Application	Frequency Range (GHz)	Unbalanced Port Characteristic Impedance (Ohms)	Balanced Port Characteristic Impedance (Ohms)	Unbalanced Port Return Loss (dB)	Phase Imbalance at Balanced Port	Price Each			
									1	10	100	500
810-HHM1596A1	HHM1596A1	C	UltraWide Band	3.1-4.9	50	100	10	180 ± 15°	2.25	1.91	1.57	1.23
810-HHM1595A1	HHM1595A1	C	UltraWide Band	3.0-8.0	50	100	10	180 ± 15°	2.25	1.91	1.57	1.23

MULTILAYER CHIP BAND PASS FILTERS

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	TDK Stock No.	Fig.	Application	Pass Band	Insertion Loss (dB Max)	Unbalanced Port Characteristic Impedance (Ohms)	Balanced Port Characteristic Impedance (Ohms)	Phase Imbalance at Balanced Port	Price Each			
									1	10	100	500
810-DEA252450BT-7035	DEA252450BT-7035B2	D	* CSR BC3 IC Ref	2.4-2.5GHz	3.6	50	34+j72	180 ± 8°	3.29	2.79	2.30	1.80
810-DEA202450BT-7041	DEA202450BT-7041E1	E	**CSR BC4 IC Ref	2.4-2.5GHz	5.0	Matched to BC4 Ref	Matched to BC4 Ref	180 ± 15°	2.93	2.48	2.05	1.75
810-DEA252450BT-7046	DEA252450BT-7046A1	D	Bluetooth	2.4-2.5GHz	3.0	50	34+j72	180 ± 8°	3.29	2.79	2.30	1.80
810-DEA202450BT-7077	DEA202450BT-7077A1	E	W-LAN	2.4-2.5GHz	3.9	50	34+j72	180 ± 10°	2.93	2.48	2.05	1.99
810-DEA453960BT-3002	DEA453960BT-3002B1	F	UltraWide Band	3.168-4.752GHz	2.2	50	~	~	4.50	3.82	3.15	2.47
810-DEA453960BT-3007	DEA453960BT-3007B1	F	UltraWide Band	3.168-4.752GHz	2.2	50	~	~	4.50	3.82	3.15	2.47

* BC3 is CSR's Bluecore3 bluetooth wireless system.
 **BC4 is CSR's Bluecore4 bluetooth wireless system.

MULTILAYER CHIP ULTRAWIDEBAND DIPLEXER

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	TDK Stock No.	Fig.	Insertion Loss		Return Loss		Attenuation		Price Each			
			Low Band (2.3-2.5GHz)	High Band (3.168-4.752GHz)	ANT (2.3-2.5GHz)	ANT (3.168-4.752GHz)	Low Band (2.3-2.5GHz)	High Band (3.168-4.752GHz)	1	10	100	500
810-DPX204752DT-4028	DPX204752DT-4028A1	G	1.1dB	1.2dB	10dB	7.0dB	20dB	20dB	4.00	3.40	2.80	2.20