



## 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
<a href="#">810-ANT1085-4R1-01A</a>	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
<a href="#">810-ANT8030-2R4-01A</a>	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

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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
<a href="#">810-HHM1596A1</a>	HHM1596A1	C	UltraWide Band	3.1-4.9	50	100	10	180 ± 15°	2.25	1.91	1.57	1.23
<a href="#">810-HHM1595A1</a>	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

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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
<a href="#">810-DEA252450BT-7035</a>	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
<a href="#">810-DEA202450BT-7041</a>	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
<a href="#">810-DEA252450BT-7046</a>	DEA252450BT-7046A1	D	Bluetooth	2.4-2.5GHz	3.0	50	34+j72	180 ± 8°	3.29	2.79	2.30	1.80
<a href="#">810-DEA202450BT-7077</a>	DEA202450BT-7077A1	E	W-LAN	2.4-2.5GHz	3.9	50	34+j72	180 ± 10°	2.93	2.48	2.05	1.99
<a href="#">810-DEA453960BT-3002</a>	DEA453960BT-3002B1	F	UltraWide Band	3.168-4.752GHz	2.2	50	~	~	4.50	3.82	3.15	2.47
<a href="#">810-DEA453960BT-3007</a>	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.  
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## MULTILAYER CHIP ULTRAWIDEBAND DIPLEXER

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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
<a href="#">810-DPX204752DT-4028</a>	DPX204752DT-4028A1	G	1.1dB	1.2dB	10dB	7.0dB	20dB	20dB	4.00	3.40	2.80	2.20