

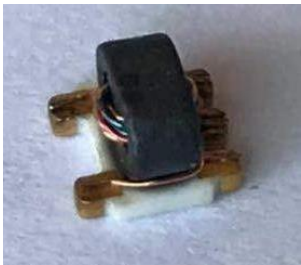
QMS B280

Features

- usable over 2-800 MHz
- excellent amplitude unbalance
- good return loss
- ceramics base with leads
- aqueous washable

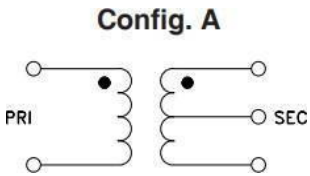
Applications

- high volume cellular
- wireless applications
- balanced mode conversion
- impedance matching



800 MHz

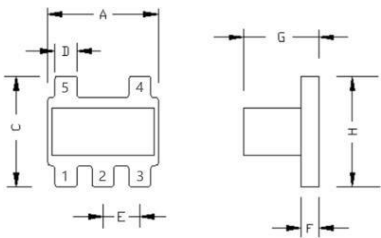
50Ω Transformer		2 to Electrical Specifications		
Ω RATIO	FREQUENCY (MHz)	INSERTION LOSS* Typ. 1.2dB	PHASE UNBALANCE (Deg.) Typ.	AMPLITUDE UNBALANCE (dB) Typ.
1: 4	2-800	2-600	2-10	1.6
* Insertion Loss is referenced to mid-band loss, 0.3 dB typ.				



Typical Performance Data					
FREQUENCY (MHz)	INSERTION LOSS (dB)		INPUT R. LOSS (dB)		AMPLITUDE UNBALANCE(dB)
	3pin	1pin	3pin	1pin	
2.0	-5.01	-5.00	-6.23	-6.23	0.01
10.0	-4.21	-4.22	-8.70	-8.70	0.01
100.0	-4.37	-4.40	-8.49	-8.49	0.03
300.0	-4.64	-4.91	-7.24	-7.24	0.27
500.0	-4.99	-5.89	-6.13	-6.13	0.90
600.0	-5.33	-6.53	-5.70	-5.70	1.20
800.0	-5.64	-7.25	-5.20	-5.20	1.61
900.0	-5.12	-8.63	-5.08	-5.08	3.51
1000.0	-4.88	-9.23	-4.77	-4.77	4.35

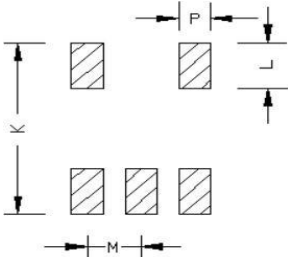
Maximum Ratings	
Operating Temperature	-40° C to 85° C
Storage Temperature	-55° C to 100° C
RF Power	0.2W
DC Current	30mA
Permanent damage may occur if any of these limits are exceeded.	

Outline Drawing



Outline Dimensions (mm)			
A	3.81	N	1.27
B	3.81	M	0.76
C	0.76	P	
D	1.27	J	4.81
E	0.61	K	
F	2.61	L	1.30
G	3.81		
H			
WT	0.16		

PCB Land Pattern



Pin Connections	
PRIMARY	5
SECONDARY CT	24
PRIMARY DOT	
SECONDARY	13
SECONDARY DOT	