Balun

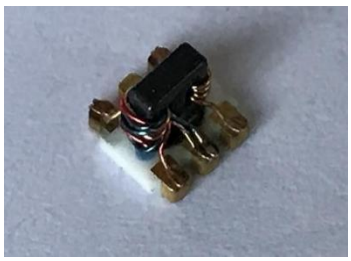
QMS B3060

Features

- Wideband, 30 to 6000 MHz
- Low insertion loss, 1.5 dB typ. up to 4 GHz
- Good amplitude unbalance, ±0.4 dBtyp.
- Good input return loss, 15 dB typ.
- Low phase unbalance, ±4° typ.
- 50Ω 10 to 6000 MHz

Applications

- PCS
- wideband push-pullamplifiers
- cellular

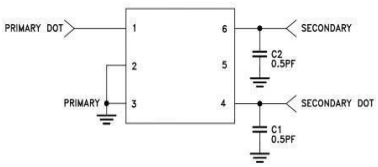


50Ω 30 to 6000 MHz

Transformer Electrical Specifications at 25° C

Impedance Ratio	Frequency Range (MHz)	INSERTION LOSS* (dB) 10~6000MHz	PHASE UNBALANCE (Deg.) Typ.	AMPLITUDE UNBALANCE (dB) Typ.
2	30 ~ 6000	0.9 ~ 4.1	5	0.5

Electrical Schematic



Typical Performance Data

FREQUENCY (MHz)	INSERTION LOSS (dB)	INPUT R. LOSS (dB)	AMPLITUDE UNBALANCE (dB)	PHASE UNBALANCE (Deg.)
30	2.56	15.56	0.14	1.23
500	1.58	14.22	0.50	2.86
1000	1.21	15.10	0.57	2.89
1500	0.97	18.46	0.41	2.70
2000	0.87	23.81	0.16	2.68
2500	0.96	18.16	0.09	2.59
3000	1.13	13.61	0.30	2.04
4000	1.24	12.99	0.64	0.83
5000	1.22	22.65	0.85	4.94
6000	2.68	10.37	0.59	10.30

Maximum Ratings

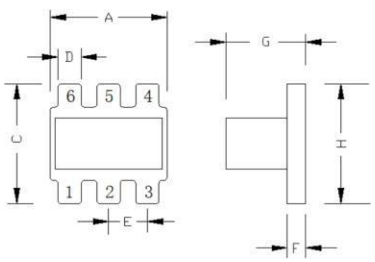
Operating Temperature	-40° C to 85° C
Storage Temperature	-55° C to 100° C
RF Power	0.4W
DC Current	30mA

Permanent damage may occur if any of these limits are exceeded.

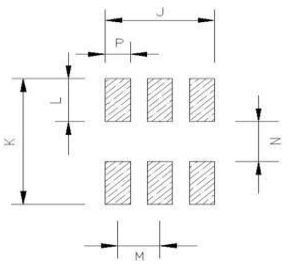
Pin Connections

PRIMARY DOT	1
PRIMARY	2，3
SECONDARY DOT	4
SECONDARY	6
GND	2，35
NOT USED	

Outline Drawing



PCB Land Pattern



Outline Dimensions (mm)

A	3.81	N	1.53
B	-	M	1.27
C	3.81	P	0.76
D	0.76		
E	1.27		
F	0.61		
G	2.61		
H	3.81		
J	3.3		
K	4.83		
L	1.65		
WT			