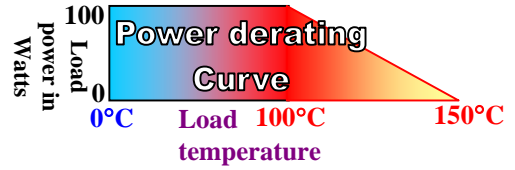
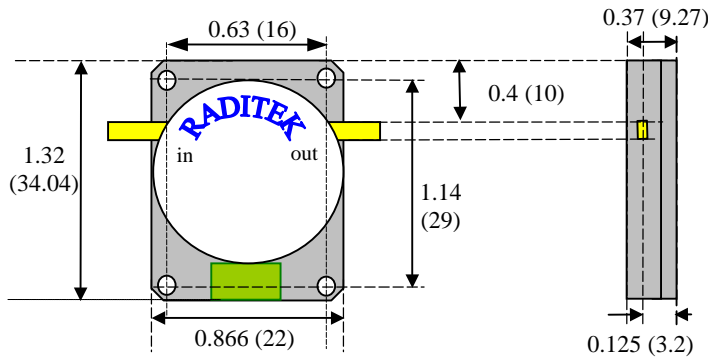


## KP1 Ultra low IMD-3G isolator



### KP1 Model

- Mounting holes are 0.110" (2.79mm) diameter.
- Tab Height 0.126" (3.2 mm),
- Overall height <0.365" (9.27mm)
- Flange thickness 0.05" (1.27mm)

### Order as:

- RI-TT-2.11-2.17- KP1-100W-R-U 100W Load version
- RI-TT-2.11-2.17- KP1-100W-R-A20U 100W, 20dB Attenuator version

This was developed to meet the very best possible IMD performance at the 3G/UMTS frequencies. IMD is so low (typically -90 dBc, 2 x 30W) it has to be measured on a filtered/diplexed test set.

Other frequencies are available.

### Typical Specification 0-85°C

Frequency GHz	Band	Insertion Loss dB	Isol. dB	Return loss
2.11-2.17	UMTS	0.15	24	23
Guaranteed:-	3G	0.25	21	21

### Circuit tab detail:

Unit	Length Left	Length Right	Width	Thickness
Inch	0.10	0.10	0.06	0.005
mm	2.5	2.5	1.5	0.13

IMD: -85dBc typical  
with 2 x 20W tones.



MAXIMUM specifications:		
Max. Fwd power:	250 Watts	Average
Max. Rev power (avg): (Load rating)	100 Watts (cd)	Assumes infinite heat sink Load temp to be < 85°C
Peak Power handling	1000 Watts	
Operating temp.	0°C to 85°C	-54°C to 110°C (storage)

Tolerance	.XX	.XXX
Inch	±0.02	±0.010
mm	±0.5	±0.25

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<b>Frequ. Hz</b>	<b>BW %</b>	<b>Insertion Loss dB Max.</b>	<b>Isolation Minimum dB</b>	<b>Return Loss dB</b>	<b>VSWR All ports</b>	<b>Full band full temp range, unless specified</b>	
2.07-2.21		0.3	20	20			IL to be confirmed
2.11-2.17		0.25	21	21			

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