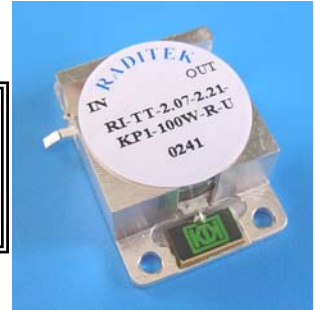
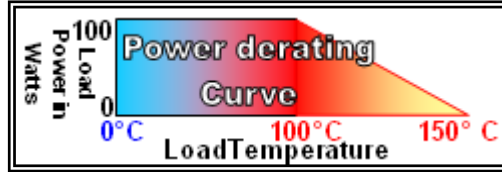
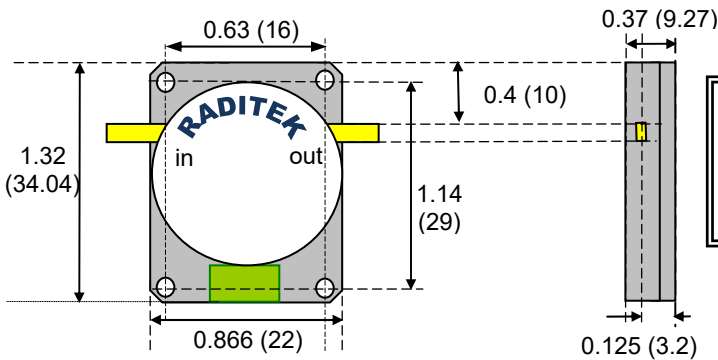


RI-TT-KP1-U Stripline Models, 2.11-2.17GHz

UMTS
Ultra low IMD-3G Isolator


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)

Typical Specification 0-85°C

Frequency GHz (F1-F2)	Band	Ins. Loss dB	ISOL. dB	Ret. Loss:	VSWR
2.11-2.17	UMTS	0.15	24	23	1.15:1
2.11-2.17	3G	0.25	21	21	1.19:1

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

Direction of RF:	
R	Default →
L	←

Order Examples: **RI-TT-2.11-2.17-KP1-110WR-U**
RI-TT-2.11-2.17-KP1-100WR-A20U

110W Load version
100W 20dB Attenuator version

I=ISOLATOR

This family was developed to meet the very best possible performance for IMD 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.

This unit's performance is guaranteed to far exceed any competition! Other frequencies are available.

General specifications:

Max. Fwd power:	250 Watts	Average
Max. Rev power (avg): (Load rating)	110 Watts (Load) 100 Watts (Attn)	Assumes infinite heat sink Load temp to be < 85°C
Forward Peak Power	>1 KW Std	into a non short circuit load
Operating temp.	0°C to 85°C	-54°C to 110°C (storage)
Options:		
Ultra Low Intermodulation.	U	Optimized for best IMD for its size. Typ.: <-80dBc, 2 x 30W tones, 10MHz apart.
Attenuator type	-A20; -A30	20 dB or 30 dB

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

Standard cc/cd strain relief: <1800 MHz


20 mil ±10 mil radius
 (0.5±0.25mm)

Machined surface: ⁶³√
 Housings are made from Steel
 Magnetically shielded,
 Nickel plated.

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

Freq. Hz	BW %	Insertion Loss dB Max.	Isolation Min. dB	Ret Loss dB	VSWR All ports	Full band full temp range, unless specified	
2.07-2.21		0.45	18	18	1.28:1		IL to be confirmed
2.11-2.17		0.25	21	21	1.19:1		