

RADITEK

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RI-K-de-isolator, 1.7-3.0GHz 10% Bandwidth

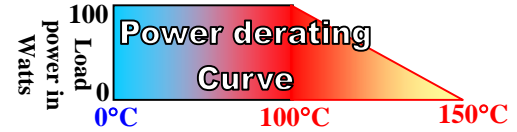
UMTS / PSC / DCS

This model is a variant of the Kp1 in a de footprint

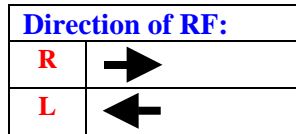
RC-TT-k-dd-U-Circulator

RI-TT-k-de-U-Isolator

IMD: -85dBc target, -82dBc max
at 2 x 44.5dBm two tone (2x28W)



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 Examples:

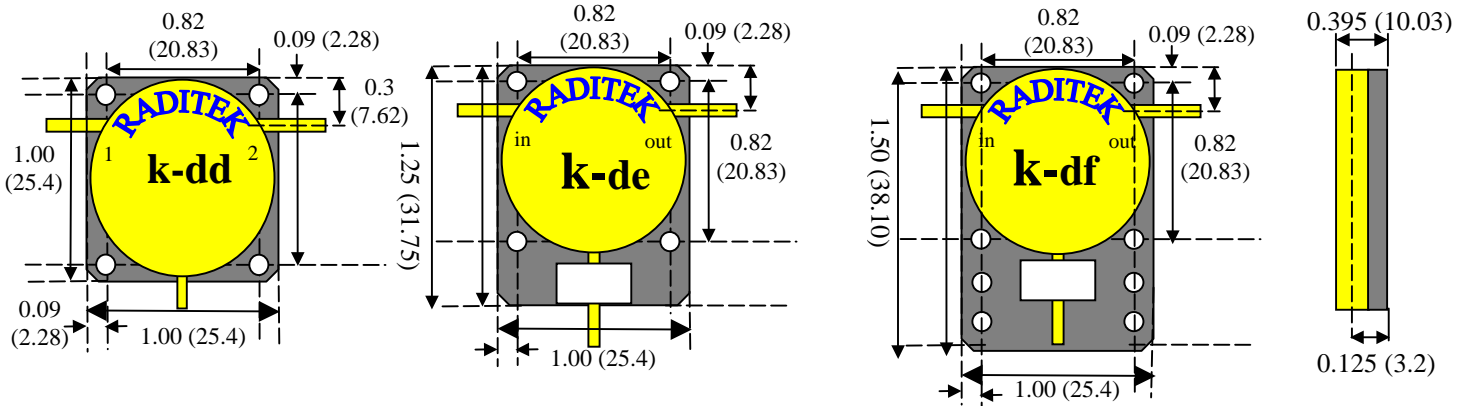
RI-TT-2.11-2.17- k-de-110W-R-U 100W Load version

RI-TT-2.07-2.21- k-de-100W-R-A20U 100W 20dB Attenuator version

This family was developed to meet the very best possible performance for IMD at the UMTS frequencies. IMD is so low 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.

K-d Model



General 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	1500 Watts	

Specification Options:

Attenuator type	-A20; -A30	20 dB or 30 dB
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Tolerance	.XX	.XXX
Inch	±0.02	±0.010
mm	±0.5	±0.25

Circuit tab detail:

Unit	Length Left	Length Right	Width	Thickness
Inch	0.070	0.070	0.06	0.005
mm	1.78	1.78	1.5	0.13

Additional Specs for K-de models

Frequency MHz	BW %	Insertion Loss dB Max.	Isolation Minimum dB	Return Loss dB	VSWR All ports	Full band full temp range, unless specified	
1710-1785		.3	23	21	1.19:1		
1715-1742		0.3	23	21	1.19:1		
1785-1805		0.3	23	21	1.19:1		
1805-1880	4.0	0.3	23	21	1.19:1	DCS	
1810-1837		0.3	23	21	1.19:1		
1850-1910	3.2	0.3	23	21	1.19:1		
1920-1980	3.1	0.25	23	21	1.19:1		
1920-2000		0.25	22	21	1.19:1		
1930-1990	3.1	0.3	23	21	1.19:1	PCS	
2070-2210	6.8	0.25	21	20.8	1.20:1	0 to 85 °C	
2090-2100	0.5	0.25	22	21	1.19:1		
2110-2170	3.3	0.25	23	22	1.17:1	UMTS	0.23/23/23 at room temp
2100-2200		0.25	22	21	1.19:1		
2270-2305		0.3	21	21	1.19		
2300-2400		0.25	22	21	1.19:1	WCDMA	
2700-3000		0.3	20		1.25		