

DCC Series®

- ◆ Interface BTS Tx/Rx ports with SISO DAS
- ◆ High Reliability, RoHS compliant
- ◆ Independently adjustable Tx and Rx levels hidden under Security Cover
- ◆ Guaranteed Low PIM, High Isolation
- ◆ Standard 3RU EIA Rack (5.25")



This LTE DAS Carrier Conditioner KM-58D is intended to allow independent level adjustment of the Tx and Rx elements of a wireless signal in LTE 700. It includes a security cover over the Tx and Rx Attenuators to discourage tampering with the set signal levels. Units designed for different upper and lower blocks require the appropriate LTE Duplexer. Similar units are available for 850 and 1900 bands.

The unit first splits the signal into Tx and Rx using an appropriate duplexer. The Tx signal is then attenuated by a fixed 20dB before it is fed to a 0-30 dB level adjustment. The Rx signal is fed straight to a similar level adjustment.

This same system with single or multiple Tx/Rx are available with the appropriate duplexer for all Tx/Rx signals falling in the 698 - 2700 MHz frequency range. (01/13)

Frequency Tx:	746 -757 MHz (or as needed)
Frequency Rx:	776 -787 MHz (or as needed)
Return Loss:	>15.6 dB, all ports
Tx/Rx Isolation:	>60dB
Tx Power:	60W max.
Tx Path Loss:	17 dB nominal plus an adjustable 30 dB in 1 dB steps.
Rx Path Loss:	1 dB nominal plus an adjustable 30 dB in 1 dB steps.
PIM:	<-153 dBc in Rx band at input using two +43dBm tones
Impedance:	50Ω nominal
Environment:	-35°C to +65°C, IP64
Housing Finish:	Passivated aluminum
Connectors/Finish:	
Tx/Rx Input:	7-16 (f), Triplate
Tx & Rx Out:	N (f), Triplate

Specifications subject to change

