




Our Radar Target Simulator Family



	dynRTS and staRTS		minRTS	RFC (Frequency Converter)
				
Frequency range	77/79 GHz band	24 GHz ISM band	77/79 GHz band	77/79 GHz band
Instantaneous bandwidth	5000 MHz	200 MHz	5000 MHz	5000 MHz
Number of targets	1 dynamic or up to 6 static in parallel		1 static	-
Target distance	up to 400 m (in 256/1024/4096 steps)		Customer defined >3m (as exchangeable cartridge)	-
Main Target Gain Flatness for 1GHz bandwidth @76.5-79GHz (@79-80.5GHz) Radar center frequency	±2 dB,typ (±3 dB,typ)		±2 dB,typ (±3 dB,typ)	-
RCS accuracy @highest RCS setting within defined bandwidth	±1 dB,typ		±1 dB,typ	-
Target velocity	up to ±100 m/s (0.002 m/s steps)		-	-
Variable Target Size	75 dB dynamic range (0.25/0.5 dB steps)		30 dB dynamic range (0.5 dB steps)	-
Exceptional spurious suppression in Doppler Spectrum	>30 dB,typ		>30 dB,typ	-
Phase Noise at 77GHz	@10 kHz: -90 dBc		@10 kHz: -90 dBc	@10 kHz: -90 dBc
Dimensions in mm	483(W) x 450(L) x 177(H)		179(W) x 216(L) x 100(H)	179(W) x 216(L) x 100(H)

3in1	Radar Target Simulation	✓	✓	✓ (feasible with external Coax-Cables)
	Calibrated Down-Converter (for Signal Analysis)	✓	✓	✓
	Calibrated Up-Converter (for Interference Test)	✓	✓	✓