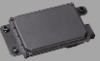
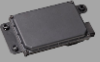







RADAR SPECIFICATIONS



Manufacturer	RADAR	Software Tool	Frequency	Min Range	Target	Max Range	Accuracy Range	Range Rate Angle	Update Rate	Mid Range/ Long Range	Horizontal FOV	Vertical FOV	Power	Voltage	Mass	Tracking Targets		
 Delphi ESR	Electronically Scanning. Multi-Ranging. Automotive Radar																	
	9.21.00	DV	76.5 GHz	1m	10db	>174m	0.5 m 0.12 m/s 0.5°	<= 50ms	60m/174m	Mid Range	+/- 45°	4.2-4.75°	<12w	8v-16v, 24v <1 min	575g	64		
					0db	>100m				Long Range	+/- 10°							
					10db	>60m												
0db					>50m													
 Delphi ESR	Electronically Scanning. Multi-Ranging. Automotive Radar. Provides Individual Detections. Disabled Tracker Grouping, Merging, and Filtering.																	
	9.21.14	DV	76.5 GHz	1m	10db	>174m	0.5 m 0.12 m/s 0.5°	<= 50ms	60m/174m	Mid Range	+/- 45°	4.2-4.75°	<12w	8v-16v, 24v <1 min	575g	64		
					0db	>100m				Long Range	+/- 10°							
					10db	>60m												
0db					>50m													
Smart Micro Automotive RADAR    	Automotive Radar with Flexible System Integration. Multi-Sensor Data Fusion. Vehicle/Customer Application can be Embedded.																	
	SMS UMRR Type 29	DR3	24 GHz	1m	Ped	50m	Typ. < ±2.5% or < ±0.25m	<= 50ms	160m	+/- 18°	+/- 4°	3.7w	7v-32v	330g	32/64			
					Car	160m												
	SMS UMRR Type 30	DR3	24 GHz	1m	Ped	40m	Typ. < ±2.5% or < ±0.25m	<= 50ms	90m	+/- 35°	+/- 5°	3.7w	7v-32v	295g	32/64			
					Car	90m												
	SMS UMRR Type 31	DR3	24 GHz	1m	Ped	20m	Typ. < ±2.5% or < ±0.25m	<= 50ms	45m	+/- 50°	+/- 5°	3.7w	7v-32v	295g	32/64			
					Car	45m												
	SMS UMRR Type 32	DR3	24 GHz	1m	Ped	100m	Typ. < ±2.5% or < ±0.25m	<= 50ms	300m	+/- 12°	+/- 2.5°	3.7w	7v-32v	32/64				
					Car	300m												
	Manufacturer	RADAR	Software Tool	Frequency	Min Height	Max Height	Height Accuracy	Update Rate	Power	Voltage	Mass							
	Smart Micro RADAR Altimeter 	True Height above Ground Measurements. Altitude Change Measurement (Vertical Speed) Terrain Mapping. Terrain Awareness and Warning System (TAWS)																
		SMS UMRR-0A	DR3	24 GHz	.5m	500m	+/- 3% or 5m	<=17 ms	3.7w	7v-32v	350g standard housing 160g integrated version							