

ES Components Skyworks & Vitramon RF / Microwave Hybrid Component Product Offering

Skyworks, Inc	Part Numbers (Examples)	Function/Application
Switches	SKY13xxx	SPDT- SP4T Switches
PIN Diodes	SMP13xx, APDxxx	Switching and attenuation
Schottky Diodes	SMSxxxx,	Detection and mixers
Varactor Diodes	SMVxxxx,	VCO tuning, phase shifters & tunable filters
Limiter Diodes	CLAxxxx, SMP13xx	Receiver protection
Silicon Chip Capacitors	SCxxxxx	DC blocking and tuning
Fixed Attenuator Pads	ATNxxxx	Power leveling
Vishay Vitramon		
MLCC's RF/Microwave	Alternative to ATC600 series	0402, 0603, 0805; 1pF+; to 10GHz+
	Alternative to ATC case A & B	"square" RF MLCC's coming soon
	PME / Mil Perf 123 Qual pending	"Design Kits" available in early 2013

Skyworks: Gold Metallization top and back

Class H and Class K LAT requirements supported

Samples available!

Bare Die for RF / Microwave Hybrid and Module Applications

Product Family	Skyworks Part Number	Description	Die Size LxWxH (mils)	Back Metal	Top Metal	On Hand Qty	KIT item	Product Family	Skyworks Part Number	Description	Die Size LxWxH (mils)	Back Metal	Top Metal	On Hand Qty	KIT item
ATTENUATORS	ATN3590-00	Fixed, 0db	28 x 29 x 4	Gold	Gold	100	NO	PIN DIODES	APD0510-000	5um 0.10pF	14 x 14 x 6	Gold	Gold	100	YES
	ATN3590-01	Fixed, 1db	28 x 29 x 4	Gold	Gold	100	NO		APD0805-000	8um 0.05pF	14 x 14 x 6	Gold	Gold	100	YES
	ATN3590-02	Fixed, 2db	28 x 29 x 4	Gold	Gold	100	NO		APD2220-000	50um 0.20pF	14 x 14 x 6	Gold	Gold	100	YES
	ATN3590-03	Fixed, 3db	28 x 29 x 4	Gold	Gold	100	NO		DSG9500-000	Planer Beam-Lead, 100V	NA	NA	NA	100	YES
	ATN3590-04	Fixed, 4db	28 x 29 x 4	Gold	Gold	100	NO		DSM8100-000	Planer Beam-Lead, 60V	NA	NA	NA	100	YES
	ATN3590-05	Fixed, 5db	28 x 29 x 4	Gold	Gold	100	NO		SCHOTTKY	CDB7619-000	P -Type, 3V, 1mA K-Band	11.5 x 11.5 x 8.5	Gold	Gold	100
	ATN3590-06	Fixed, 6db	28 x 29 x 4	Gold	Gold	100	NO	CDB7620-000		P -Type, 2V, 1mA Ku-Band	11.5 x 11.5 x 8.5	Gold	Gold	100	YES
	ATN3590-07	Fixed, 7db	28 x 29 x 4	Gold	Gold	100	NO	CDC7630-000		8mV EO, -52dBm TSS	11.5 x 11.5 x 8.5	Gold	Gold	100	YES
	ATN3590-08	Fixed, 8db	28 x 29 x 4	Gold	Gold	100	NO	CDC7631-000		15mV EO, -56dBm TSS	11.5 x 11.5 x 8.5	Gold	Gold	100	YES
	ATN3590-09	Fixed, 9db	28 x 29 x 4	Gold	Gold	100	NO	CDF7621-000		N -Type, 2V, 1mA Ku-Band	11.5 x 11.5 x 8.5	Gold	Gold	100	YES
	ATN3590-10	Fixed, 10db	28 x 29 x 4	Gold	Gold	100	NO	DMK2308-000		GaAs Flip-Chip, Anti-Parallel Pair	26 x 13 x 4	NA	Gold	100	YES
	ATN3590-12	Fixed, 12db	28 x 29 x 4	Gold	Gold	100	NO	DMK2790-000		GaAs Flip-Chip, Single	26 x 13 x 4	NA	Gold	100	YES
	ATN3590-15	Fixed, 15db	28 x 29 x 4	Gold	Gold	100	NO	SMS7621-060		Low Barrier, SM, 0201, 2V	NA	NA	NA	500	NA
	ATN3590-20	Fixed, 20db	28 x 29 x 4	Gold	Gold	100	NO	SMS7630-061		Zero Bias, SM, 0201, 1V	NA	NA	NA	500	NA
	ATN3590-30	Fixed, 30db	28 x 29 x 4	Gold	Gold	100	NO	SWITCHES		AS179-000	GaAs SPDT, 300 kHz - 3 GHz Med Pwr	24.4 x 18.3 x 8	None	Gold	100
CAPACITORS (single layer, wire bondable)	SC00080912	0.8pF	12 x 12 x 5	Gold	Gold	100	YES		AS221-000	GaAs SP4T, 100 kHz - 2.5 GHz Hi Pwr	40.8 x 48.4 x 8	None	Gold	100	NA
	SC00260912	2.6pF	12 x 12 x 5	Gold	Gold	100	YES		AS227-000	GaAs SP3T, 300 kHz - 2.0 GHz Hi Pwr	40 x 40 x 8	None	Gold	100	NA
	SC00560912	5.6pF	12 x 12 x 5	Gold	Gold	100	YES		SKY13290-000	pHEMT SPDT, 20MHz - 2.5 GHz Hi Pwr	53 x 33 x 8	None	Gold	100	NA
	SC01000710	10pF	12 x 12 x 5	Gold	Gold	100	YES	VARACTORS,	SMV2019-000	2.3pF	14 x 14 x 6	Gold	Gold	100	NA
	SC01000912	10pF	12 x 12 x 5	Gold	Gold	100	YES		SMV2021-000	4.5pF	14 x 14 x 6	Gold	Gold	100	NA
	SC02201518	22pF	18 x 18 x 5	Gold	Gold	100	YES	KIT	KIT603-08A	Designer Kit Silicon PIN Diode Chips				3	
	SC04701518	47pF	18 x 18 x 5	Gold	Gold	100	YES		KIT607-08A	Designer Kit Silicon Schottky Diode Chips				3	
	SC06801518	68pF	18 x 18 x 5	Gold	Gold	100	YES		KIT606-08A	Designer Kit Silicon Limiter Diode Chips				3	
	SC10002430	100pF	30 x 30 x 5	Gold	Gold	100	YES		KIT605-08A	Designer Kit GaAs Schottky Diode Flip Chips				3	
	SC99906068	1000pF	68 x 68 x 5	Gold	Gold	100	YES		KIT604-08A	Designer Kit Silicon PIN BEAM-Lead Diodes				3	
LIMITERS	CLA4601-000	15/30V, 1um	14 x 14 x 6	Gold	Gold	100	YES		KIT601-08A	Designer Kit MIS Chip Capacitors				3	
	CLA4603-000	20/45V, 1.5um	14 x 14 x 6	Gold	Gold	100	YES								
	CLA4605-000	30/60V, 2.0um	14 x 14 x 6	Gold	Gold	100	YES								
	CLA4606-000	45/75V, 2.5um	14 x 14 x 6	Gold	Gold	100	YES								
	CLA4607-000	120/180V, 7.0um	14 x 14 x 6	Gold	Gold	100	YES								