

	Material	Buried via / Through-hole		Thickness	Description
Layer 1	Copper			35 $\mu\text{m}$	Patch
Dielectric	RT 5870			254 $\mu\text{m}$	
Layer 2	Copper			35 $\mu\text{m}$	Slot
Dielectric	RT 5870			254 $\mu\text{m}$	
Layer 3	Copper			18 $\mu\text{m}$	Stripline, Bias-T
Dielectric	RT 5870			254 $\mu\text{m}$	
Layer 4	Copper			18 $\mu\text{m}$	Ground
Dielectric	RT 5870			127 $\mu\text{m}$	
Layer 5	Copper			35 $\mu\text{m}$	Bias-voltage-supply
Dielectric	RT 5870			127 $\mu\text{m}$	
Layer 6	Copper			35 $\mu\text{m}$	Varactor diode