

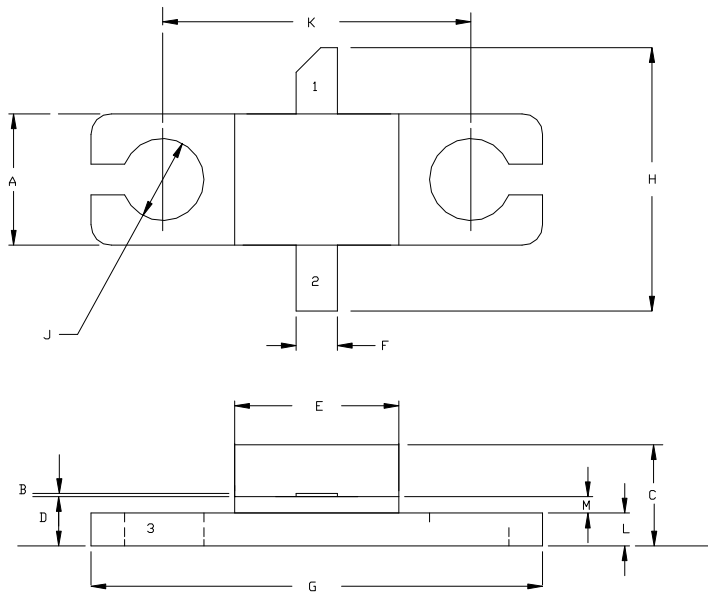
# Broadband GaN 50W Discrete



IG50UM21A1

Integra introduces the IG50UM21A1 – a 50W discrete device based on gold metalized GaN on SiC technology.

- 0.25  $\mu\text{m}$  Geometry
- No Internal Matching
- Output Power  $\geq 50\text{W}$
- Gain: 15dB typ
- Efficiency: 55% typ
- $V_{\text{DD}} = 24\text{-}28\text{V}$



DIM	INCHES		MILLIMETERS	
	MIN	MAX	MIN	MAX
A	0.155	0.165	3.94	4.19
B	0.004	0.006	0.10	0.15
C	0.115	0.135	2.92	3.43
D	0.057	0.067	1.45	1.70
E	0.195	0.205	4.95	5.21
F	0.045	0.055	1.14	1.40
G	0.545	0.555	13.84	14.09
H	0.310	0.330	7.87	8.38
J	0.098	0.102	2.49	2.59
K	0.370	0.380	9.40	9.65
L	0.035	0.045	0.89	1.14
M	0.015	0.025	0.38	0.63
1	DRAIN			
2	GATE			
3	SOURCE			



IG50UM21A1-PR1-NPS-A  
Available Now

[www.integrates.com](http://www.integrates.com)