

EMG5 / UMG5N / FMG5A

ROHM : SMT5
EIAJ : SC-74A

Abbreviated symbol : G5

Transistors

●Electrical characteristics (Ta=25°C)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Input voltage	$V_{I(off)}$	—	—	0.3	V	$V_{CC}=5V, I_o=100\mu A$
	$V_{I(on)}$	1.4	—	—		$V_o=0.3V, I_o=1mA$
Output voltage	$V_{O(on)}$	—	0.1	0.3	V	$I_o=5mA, I_i=0.25mA$
Input current	I_i	—	—	0.88	mA	$V_i=5V$
Output current	$I_{O(off)}$	—	—	0.5	μA	$V_{CC}=50V, V_i=0V$
DC current gain	G_i	68	—	—	—	$V_o=5V, I_o=5mA$
Transition frequency	f_T	—	250	—	MHz	$V_{CE}=-10V, I_E=5mA, f=100MHz$ *
Input resistance	R_1	7	10	13	k Ω	—
Resistance ratio	R_2/R_1	3.7	4.7	5.7	—	—

* Transition frequency of the device

●Packaging specifications

Type	Package	Taping		
	Code	T2R	TR	T148
	Basic ordering unit (pieces)	8000	3000	3000
EMG5	○	—	—	—
UMG5N	—	○	—	—
FMG5A	—	—	—	○