

Hyper-parameter	Value range	Random Search Choice
Number of Convolutional Layers	1 – 5	3
Number of Maps	(16, 32, 48)	16
Kernel Size	1 – 5	2
Batch Normalization Layers	(0, 1)	0
Dropout Rate	(0.2, 0.3, 0.4, 0.5)	0.3
Learning Rate	$10^{-5}$ – $10^{-1}$	0.008130275